

# ZF05KAE-PFV

HFC , R-407A, 60 Hz, 1 -Phase,208/230 V

Low Temp, Liquid Injected



**Production Status:** Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

## Performance

Evaporator Temp. (°F)	-25	-10
Condensing Temp. (°F)	105	120
Return Gas Temp. (°F)	40	40
Liquid Temp. (°F)	105	120
Capacity (Btu/hr)	3590	4840
Power (W):	1180	1440
Current (Amps):	5.00	6.20
EER (Btu/Wh):	3.05	3.35
Mass Flow (lbs/hr):	54	80
<u>Sound Data @</u>		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-08-31	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	1.54
Displacement(ft <sup>3</sup> /hr):	186.91
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	15.72
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.00 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	25
Oil Recharge (oz):	19
Net Weight (lbs):	48.0
Internal Free Volume (in <sup>3</sup> ):	123.0
Horse Power:	1.50

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

LRA-High*(Amp):	55.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	12.2
Max Operating Current(Amp):	7.8
RLA, MCC/1.4;use for contactor selection (Amp):	8.7
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	7.8
RPM:	3500
UL File No:	SA-2337
UL File Date:	1995-02-28

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-06	30.0	0.0	370	

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-404A HFC	208/230	1	60	Low Temp, Liquid Injected
R-507 HFC	208/230	1	60	Low Temp, Liquid Injected
R-407C HFC	208/230	1	60	Low Temp, Liquid Injected
R-407F HFC	208/230	1	60	Low Temp, Liquid Injected
R-448A HFO	208/230	1	60	Low Temp, Liquid Injected
R-449A HFO	208/230	1	60	Low Temp, Liquid Injected